

## Segment Moulds - References



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**EUROFORM**

Project	Country	Number of sets	Type S=Stationary C=Carousel	Ring composition	External Diameter	Internal Diameter	Lining Thickness	Width
KOREA ENTERPRISE	KOREA	21			3,50 m	3,10 m	0,20 m	
ADLERTUNNEL - BASEL	SWITZERLAND	26+ Carousel	C			11,55 m	0,35 m - 0,65 m - 0,90 m	
STOLLEN GLATT - ZÜRICH	SWITZERLAND	24 moulds			5,04 m	4,50 m	0,27 m	
DONSUM	KOREA	6	S		4,80 m	4,30 m	0,25 m	1200 m
MURGENTHAL RAILWAY TUNNEL	SWITZERLAND	16+ Carousel	C			11,76 m	0,26 m - 0,56 m	1500 m
MRT - C705	SINGAPORE	9	S		6,30 m	5,80 m	0,25 m	1200±15 m
GEPÄCKSTOLLEN	SWITZERLAND	2	S		6,00 m	5,40 m	0,30 m	1000±27,5 mm
CASECNAN MULTIPURPOSE PROJECT	PHILIPPINES				5,96 m	5,46 m	0,25 m	
METROGENOVA	ITALY	4	S	6+1	6,10 m	5,50 m	0,30 m	1200±30 mm
GREATER CAIRO WASTEWATER PROJECT CONTRACT 13 - MAADI ROCK TUNNEL	EGYPT	24				4,50 m	0,27 m	
GINORI TUNNEL	ITALY	9	S	6+1	6,00 m	5,50 m	0,25 m	1400±14 mm
METRO DO PORTO	PORTUGAL	4	S	6+1	8,40 m	7,80 m	0,30 m	1400±32,1 mm
PTS KLOTEN	SWITZERLAND	3	S	5+1	6,00 m	5,40 m	0,30 m	1200±27,5 mm

Project	Country	Number of sets	Type S=Stationary C=Carousel	Ring composition	External Diameter	Internal Diameter	Lining Thickness	Width
SÖRENBERG	SWITZERLAND	6	S	4+1+1	4,30 m	3,80 m	0,25 m	1500±30 mm
DTSS - T05	SINGAPORE	12	S	5+1	4,60 m	4,10 m	0,25 m	1397±10 mm
GINORI TUNNEL	ITALY	4 moulds	S	SPECIAL	6,00 m	5,50 m	0,25 m	1400 mm
QUATTROVENTI TUNNEL	ITALY	4	S	6+1	7,70 mm	7,00 m	0,35 m	1500±28,9 mm
BAUST. LÖTSCHBERG BASISLINIE	SWITZERLAND	5+2						
METRO DO PORTO	PORTUGAL	3	S	6+1	8,60 m	8,00 m	0,30 m	1400±38 mm
MINIMETRO MOSCOW	RUSSIA	6	S	6+1	5,60 m	5,15 m	0,25 m	1400±30 mm
U1/1 KAGRANER PLATZ	AUSTRIA	1	S	6+1	6,55 m	5,85 m	0,35 m	1300±20 mm
KUNMING ZHANGJIUHE RIVER W/D+W/S PROJECT	CHINA	36 moulds	C+existing carousel	3+1+1	3,50 m	3,00 m	0,25 m	1100 mm
WEST SIDE CSO PROJECT SOUTH DRIVE	USA	1	S	4+1+1	4,774 m	4,266 m	0,254 m	1524±15 mm
WEST SIDE CSO PROJECT SOUTH DRIVE	USA	1	S	4+1+1	4,88 m	4,267 m	0,305 m	1100±10,7 mm
NAPLES METRO LINE 1	ITALY	5	S	6+1	6,45 m	5,85 m	0,30 m	1200±25,8 mm
METRO MILAN M1	ITALY	4	S	5+1	6,30 m	5,70 m	0,30 m	1400±27,56 mm

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FLUGHAFEN S-BAHN HAMBURG BA 5-8	GERMANY	4	C	6+1	6,60 m	5,80 m	0,40 m	1500±25 mm
U-BAHN WIEN LOS U2/5 STADION	AUSTRIA	2	S	6+1	6,55 m	5,85 m	0,35 m	1500±20 mm
BERNOLD - CERESOLA AG	VENEZUELA	6	C	6+1	5,38 m	4,95 m	0,215 m	1400±32 mm
BRESCIA METRO BUS	ITALY	4	S	6+1	8,85 m	8,15 m	0,35 m	1500±30,17 mm
SIPHON DE VALENTON	FRANCE	2	S	5+1	4,10 m	3,60 m	0,25 m	1198±25 mm
WEST SIDE CSO PROJECT SOUTH DRIVE	USA	2	S	4+1+1	4,774 m	4,266 m	0,254 m	1524±15 mm
BUMECL BEIJING METRO LINE 10	CHINA	6	S	3+2+1	6,00 m	5,40 m	0,30 m	1200±25 mm
NAPLES METRO LINE 1	ITALY	1	S	6+1	6,45 m	5,85 m	0,30 m	1200±25,8 mm
SAN FRANCISCO HYDROELECTRIC PROJECT	ECUADOR	2	S	5+1	6,80 m	6,40 m	0,20 m	1400 mm
WIENER WALD TUNNEL	AUSTRIA	8	C	5+1	10,35 m	9,65 m	0,35 m	2250 mm
METRO ROTHERDAM	GERMANY	5	C	5+2+1	6,5 m	5,80 m	0,35 m	1500±25 mm
FERROVIE NORD RAILWAY CONNECTION	ITALY	4	S	8+1	7,85 m	7,25 m	0,30 m	1700±22 mm
WATER MAIN TUNNEL FARNESINA	ITALY	2	S	5+1	3,90 m	3,40 m	0,25 m	1200±13 mm

Project	Country	Number of sets	Type S=Stationary C=Carousel	Ring composition	External Diameter	Internal Diameter	Lining Thickness	Width
TUNNELKETTE PERSCHLING	AUSTRIA	3	S	5	12,72 m	12,12 m	0,30 m	1800±13 mm
METRO ISTANBUL	TURKEY	5	S	5+1	6,30 m	5,70 m	0,30 m	1400±27,56 mm
U-BAHN KÖLN NORD	GERMANY	1	S	6+1	6,55 m	5,85 m	0,35 m	1500±27,5 mm
CITY TUNNEL LEIPZIG	GERMANY	2	S	7+1	8,70 m	7,90 m	0,40 m	1800±27 mm
SOUTHERN ALEPPO HEADRACE	SYRIA	5	S	6+1	5,10 m	4,60 m	0,25 m	1200 mm
ULUBAT POWER TUNNEL	TURKEY	10	S	3+2+1	4,80 m	4,30 m	0,25 m	1200±16 mm
SCHLÜCHTERNER TUNNEL	GERMANY	4	S	7+1	9,90 m	9,00 m	0,45 m	2000±20 mm
EAST SIDE CSO TUNNEL PROJECT PORTLAND	USA	8	S	6+1+1	7,417 m	6,705 m	0,356 m	1524±28,1 mm
MONT SION TUNNEL	FRANCE	5	C	5+1	11,60 m	10,70 m	0,45 m	2000±8 mm
HAMMINKELN	GERMANY	1 mould	S		6,55	5,85 m	0,35 m	
CITY TUNNEL MALMÖ	SWEDEN	3	S	7+1	8,60 m	7,90 m	0,35 m	1800±25 mm
LBBJV - NORTH SOUTH BYPASS TUNNEL	AUSTRALIA	4	C	6+2+1	12,00 m	11,20 m	0,40 m	2000±20 mm
MOSCOW	RUSSIA	4	S	3+2+1	4,098 m	3,60 m	0,249 m	1200±28,5 mm

Project	Country	Number of sets	Type S=Stationary C=Carousel	Ring composition	External Diameter	Internal Diameter	Lining Thickness	Width
ARGE TUNNEL JENBACH	AUSTRIA	4	S	5+2+1	12,63 m	11,63 m	0,50 m	2000±15 mm
MOSCOW	GERMANY	3 2	S	SHAFT	8,50 m 6,30 m	7,80 m 5,60 m	0,35 m 0,35 m	1000 mm
MOSCOW	RUSSIA	4	S	3+2+1	4,098 m	3,60 m	0,249 m	1200±28,5 mm
CARACAS LOS TEQUES i, LINE 2	VENEZUELA	8	C	6+1	5,6 m	5,16 m	0,22 m	1400±32 mm
MOSCOW	RUSSIA	10	S	3+2+1	4,098 m	3,60 m	0,249 m	1200±28,5 mm
ROME - METRO C	ITALY	10	S	6+1	6,40 m	5,80 m	0,30 m	1400±21,33 mm
TURIN METRO LINE 1	ITALY	3	S	5+1	7,48 m	6,88 m	0,30 m	1400±20 mm
SHAFTDORTMUND 12	GERMANY	2	S	SHAFT	9,80 m	9,00 m	0,40 m	1000 mm
RHEINTAL AUTOBAHN A14 PFÄNDRETUNNEL	GERMANY	5	C	5+1	11,62 m	11,08 m 10,72 m	0,27 m 0,45 m	2000±20 mm
EAST SIDE CSO TUNNEL PROJECT PORTLAND	USA	2	S	6+1+1	7,417 m	6,705 m	0,356 m	1524±28,1 mm
LBBJV - NORTH SOUTH BYPASS TUNNEL	AUSTRALIA	1	C	6+2+1	12,00 m	11,20 m	0,40 m	2000±20 mm
NAPLES METRO AIRSHAFTS	ITALY	3 moulds	S	SHAFT	5,10 m	4,50 m	0,30 m	1500 mm
MOSCOW	RUSSIA	4	S	3+2+1	4,098 m	3,60 m	0,249 m	1200±28,5 mm

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MALDONADO TUNNEL	ARGENTINA	6	C	6+1	7,60 m	6,90 m	0,35 m	1500±25 mm
NAPLES METRO LINE 6	ITALY	1	S	8+1	7,85 m	7,25 m	0,30 m	1700±26,69 mm
INSTANBUL METRO KADIKOY KARTAL LOT 2	TURKEY	6+2	S	5+1	6,30 m	5,70 m	0,30 m	1500±25 mm
LAKE MEAD INTAKE NO. 3	USA	6	S	5+1	6,808 m	6,096 m	0,356 m	1829±28,3 mm
ROME - METRO C	ITALY	2	S	6+1	6,40 m	5,80 m	0,30 m	1400±21,33 mm
ROME - METRO C	ITALY	5	S	6+1	6,40 m	5,80 m	0,30 m	1400±21,33 mm
HEADRACE TUNNEL THEUN HINBOUN	LAOS	4+ carousel	C	5+1	7,46 m	6,90 m	0,28 m	1600 mm
SOFIA METRO EXTENSION - LINE 2	BULGARIA	2	S	6+1	9,07 m	8,43 m	0,32 m	1500±34 mm
THERAN METRO LINE 3	IRAN	5 moulds	S	INVERT				
INTAKE WATER MAIN PARANÁ EL TIGRE	ARGENTINA	8	C	5+1	4,15 m	3,60 m	0,275 m	1400±20 mm
INSTANBUL METRO KADIKOY KARTAL Lot 2	TURKEY	8 moulds	S	INVERT	5,70 m			1470 mm
SAINT PETERSBURG	RUSSIA	4	S	SHAFT	8,40 m	7,70 m	0,35 m	1000 mm
BLACKWATER INTERCEPTOR TUNNEL FOR PANAMA CITY	PANAMA	6	C	5+1	3,43 m	3,00 m	0,215 m	1200±15 m

Project	Country	Number of sets	Type S=Stationary C=Carousel	Ring composition	External Diameter	Internal Diameter	Lining Thickness	Width
WARSAW METRO LINE M2	POLAND	8	C	1+4+1	6,00 m	5,40 m	0,30 m	1500±20,0 mm
SPARVO TUNNEL	ITALY	4+ carousel	C	7+2+1	15,00 m	13,60 m	0,70 m	2000±18,8 mm
MILAN - METRO LINE M5	ITALY	4 7	S S refurbished	6+1	6,40 m	5,80 m	0,30 m	1400±21,33 mm
CANAL DE LIAISON - BASSIN DE L'OUED HALIB	ALGERIA	7+ carousel	C	1+2+1	4,00m	3,50 m	0,25 m	1200±5 mm
ISIKLI TUNNEL WATER CONVEYANCE SYSTEM	TURKEY	8	S	5+1	5,20 m	4,50 m	0,35 m	1400±16,5 mm
CABLE TUNNELS LONDON	UNITED KINGDOM	30	S	6+1	3,54 m	3,16 m	0,19 m	1200±9 mm
COCA CODO SINCLAIR HYDROPOWER	ECUADOR	8 moulds	S	SLEEPER FORMWORK				
METRO BUCHAREST LINE 5	ROMANIA	1	C	5+1	6,30 m	5,70 m	0,30 m	1500±25 mm
CABLE TUNNELS LONDON	UNITED KINGDOM	2	S	6+1	3,54 m	3,16 m	0,19 m	1200±9 mm
MILAN - METRO LINE M5	ITALY	2	S	6+1	6,40 m	5,80 m	0,30 m	1400±21,33 mm
EL TORITO TUNNEL HYDRAULIC PLANT	COSTA RICA	4	S	6+1	7,68 m	7,08 m	0,30 m	1500±39 mm
MONTEDOMINI TUNNEL	ITALY	1	S	SPECIAL HORSESHOE TUNNEL				
ATHENS METRO - LINE 3	GREECE	5	S	6+1	9,18 m	8,48 m	0,35 m	1500±29 mm



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CALTANISSETTA TUNNEL	ITALY	4+ carousel	C	8+1	14,65 m	13,45 m	0,60 m	2000±49 mm
WATER MAIN TUNNEL BASENTO-BRADANO	ITALY	2	S	5+1	3,90 m	3,40 m	0,25 m	1200±13 mm
PAVONCELLI BIS WATER MAIN TUNNEL	ITALY	10	S	5+1	4,20 m	3,40 m	0,40 m	1200±9 mm
METRO BUCHAREST LINE 4	ROMANIA	2	S	5+1	6,30 m	5,70 m	0,30 m	1500±25 mm 1500±31,5 mm
MILAN - METRO LINE M4	ITALY	2 2	S	BASE SEGMENT THRUST RING				
ISTANBUL LIGHT RAIL SYSTEM	TURKEY	4	S	5+1	6,30 m	5,70 m	0,30 m	1400±28 mm
WATER MAIN TUNNEL APOSELEMIS DAM	GREECE	6	S	1+2+1	4,75 m	4,35 m	0,20 m	1300 mm
RIYADH METRO LINE 3	SAUDI ARABIA	6	S	6+1	9,8 m	9,0 m	0,40 m	1800±49 mm
AZAD TUNNEL	IRAN	6	S	5+1	3,4 m	3,0 m	0,20 m	1200±10 mm
GLATSCHERAS TUNNEL	SWITZERLAND	1	S	1+2+2+2 HORSESHOE TUNNEL		2,22+4,87 m	0,30+0,60 m	1500 mm 1500±5 mm
PK9 TUNNEL OUVARAGES DE TÊTE NORD	ALGERIA	4	S	5+1	5,81 m	5,11 m	0,35 m	1200±14,6 mm
METRO MOSCOW	RUSSIA	10	S	5+1	6,00 m	5,40 m	0,30 m	1198±25,5 mm
NAPLES METRO LINE 6	ITALY	3 moulds	S	SHAFT	6,20 m	5,50 m	0,35 m	1200 mm

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SARMENTO TORRENT BRANCH TUNNEL	ITALY	2	S	6+0	3,25 m	2,75 m	0,25 m	1000 mm
FLORENCE RAILWAY CONNECTION	ITALY	6	S	6+1	9,10 m	8,30 m	0,40 m	1500±38 mm
RAETIC RAILWAY SASSLATSCHTUNNEL	SWITZERLAND	1	S	1+2+2+2 HORSESHOE TUNNEL		2,22+4,87 m	0,30+0,60 m	1500 mm 1500±5 mm
TURIN METRO LINE 1	ITALY	3 moulds	S	INVERT				
MILAN - METRO LINE M4	ITALY	13 moulds	S	BASE SEGMENT				
SOFIA METRO EXTENSION PROJECT	BULGARIA	2	S	6+1	9,07 m	8,43 m	0,32 m	1500±34 mm
TERZO VALICO DEI GIOVI SERRAVALLE	ITALY	8	S	6+1	9,40 m	8,60 m	0,40 m	1800±28 mm
TERZO VALICO DEI GIOVI RADIMERO	ITALY	5	S	6+1	9,40 m	8,60 m	0,40 m	1800±28 mm
MORBEGNO TUNNEL	ITALY	4 moulds	S	BASE SEGMENT				
MORBEGNO TUNNEL	ITALY	2 moulds	S	BASE SEGMENT				
FORRESTFIELD AIRPORT LINK PERTH	AUSTRALIA	9+ carousel	C	5+1	6,77 m	6,17 m	0,30 m	1600±18,1 mm
SISTEMA RIACHUELO	ARGENTINA	5	C	5	3,60 m	3,20 m	0,20 m	1200±15 mm
COMBINED SEWAGE STORAGE TUNNEL	CANADA	5+1	S	5+1	3,40 m	3,00 m	0,20 m	1200±13,6 mm

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MILAN - METRO LINE M4	ITALY	4	S	6+1	8,85 m	8,15 m	0,35 m	1500±44 mm
MILAN - METRO LINE M4	ITALY	2 2	S refurbished	6+1	8,85 m	8,15 m	0,35 m	1500±30,17 mm 1500±44 mm
ROME - METRO C	ITALY	10	S refurbished	6+1	6,40 m	5,80 m	0,30 m	1400±21,33 mm
MILAN - METRO LINE M4	ITALY	4 moulds	S	INVERT				
GASODUCTO SUR DE TEXAS-TUXAN	MEXICO	4	S	6	3,01 m	2,60 m	0,205 m	1000±10 mm
BRENNER BASE TUNNEL SERVICE TUNNEL	ITALY	5	S	5+1	6,42 m	5,82 m	0,30 m	1500±15 mm
BRENNER BASE TUNNEL SERVICE TUNNEL	ITALY	5 moulds	S	BASE INVERT				
BRENNER BASE TUNNEL SERVICE TUNNEL	ITALY	5 moulds	S	TOP INVERT				
BRENNER BASE TUNNEL MAIN TUNNELS	ITALY	10	S	6+1	10,17 m	9,27 m	0,45 m	1750±25 mm
BRENNER BASE TUNNEL MAIN TUNNELS	ITALY	10 Moulds	S	INVERT				
ITARE DAM	KENYA	3+3 +carousel	C	4+1	3,80 m	3,20 m	0,30 m	1200 mm
MILAN - METRO LINE M4	ITALY	6	S refurbished	6+1	6,40 m	5,80 m	0,30 m	1400±21,33 mm
BRENNER BASE TUNNEL SERVICE TUNNEL	ITALY	2	S	5+1	6,42 m	5,82 m	0,30 m	1500±15 mm

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BRENNER BASE TUNNEL SERVICE TUNNEL	ITALY	2 Moulds	S	BASE INVERT				
BRENNER BASE TUNNEL SERVICE TUNNEL	ITALY	2 Moulds	S	TOP INVERT				
BRENNER BASE TUNNEL MAIN TUNNELS	ITALY	4	S	6+1	10,17 m	9,27 m	0,45 m	1750±25 mm
MILAN - METRO LINE M4	ITALY	6	S refurbished	6+1	6,40 m	5,80 m	0,30 m	1400±21,33 mm
ROME - METRO C	ITALY	21	S refurbished	6+1	6,40 m	5,80 m	0,30 m	1400±21,33 mm
BRENNER BASE TUNNEL MAIN TUNNELS	ITALY	2 Moulds	S	INVERT				
MILAN - METRO LINE M4	ITALY	2 2	S refurbished	6+1	8,85 m	8,15 m	0,35 m	1500±30,17 mm 1500±44 mm
MILAN - METRO LINE M4	ITALY	2 Batteries	S	INVERT				
BERGÜNERSTEINTUNNEL	SWITZERLAND	1	S	1+2+2+2 HORSESHOE TUNNEL		2,22+4,87 m	0,30+0,65 m	1500 mm 1510±50 mm
WARSAW METRO LINE M2 BRÓDNO-WOLA-MORY	POLAND	8	C refurbished	1+4+1	6,00 m	5,40 m	0,30 m	1500±20,0 mm
NAPLES METRO LINE 1 CENTRO DIREZIONALE-CAPODICHINO	ITALY	4	S refurbished	6+1	6,40 m	5,80 m	0,30 m	1400±21,33 mm
METRO PARIS	FRANCE	2 Moulds	S	SHAFT	8,90 m	8,10 m	0,40 m	1250 mm
SAN SEBASTIANO EMERGENCY TUNNEL	ITALY	4	S refurbished	3+1	4,10 m	3,60 m	0,25 m	1200 mm